

*ARGYRANTHEMUM FRUTESCENS PLANT NAMED ('S&G 30032')*

**Latin name of the genus and species of the plant claimed**

5   *Argyranthemum frutescens*

**Varietal Denomination**

'Argyranthemum' (S&G 30032)

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**Background of the invention**

The present invention relates to a new and distinct cultivar of Marguerite Daisy plant, botanically known as *Argyranthemum frutescens* and referred to by the cultivar name 'SG 30032'. The new cultivar is a product of a planned breeding program conducted by the inventor in Enkhuizen, The 15 Netherlands. The objective of the breeding program was to develop a more vigorous plant that flowers early with a good field performance during the whole summer.

20   This new Marguerite Daisy plant is illustrated by the accompanying photographic drawing which shows blooms, buds and foliage of the plant in full color, the color shown being as true as can be reasonably obtained by conventional photographic procedures.

**Description of the new cultivar**

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The following detailed descriptions set forth the distinctive characteristics of this new Marguerite Daisy plant. The data which defines these characteristics were collected from asexual reproductions carried out in Enkhuizen, The Netherlands. The plant history was taken on 20 weeks old plants, grown in the greenhouses in Enkhuizen, The Netherlands with day temperatures 30 ranging from 12 to 18 degree C, and night temperatures ranging from 10 to 14 degrees Celsius.

Color references are primarily to the RHS Color Chart of the Royal Horticultural Society of London where general terms of ordinary dictionary significance are used.

### The Plant

5 Classification - Botanical : *Argyranthemum frutescens* cv. 'SG 30032'

### Parentage

Female parent : proprietary seedling selection of *Argyranthemum frutescens*, identified as number A 40-6. Breederscode of 10 the new plant is C 45-6.

Male parent : unidentified selection of *Argyranthemum frutescens*

### Propagation

Type cuttings : Terminal cuttings

15 Time to initiate roots : 7 to 10 days at air temperature of 21 degree C.

Time to develop roots : 7 to 14 days at air temperature of 18 degree C.

### Plant Description

Growth habit : upright

20 Plant height : 25-28 cm

Vigor : Vigorous

Spreading area of plant : 25-30 cm

Strength : Very good

Branching Character : Freely branching, plants do not require pinching

25 Crop time : About 10 weeks are required to produce a finished flowering plant in a 10,5 cm container from a good developed cutting

### The Stem

30 Diameter : 4 mm

Shape	:	round, bit grooved
Anthocyan pigmentation	:	absent
Length of internode	:	1,5-2,5 cm
Pubescence	:	absent
5 Color	:	143C

### The Foliage

Arrangement	:	alternate
Shape of leaf	:	bipinnatisect
10 Leaf apex	:	acute
Leaf base	:	attenuate
Texture	:	thick glabrous smooth
Length	:	6 – 7 cm
Width	:	3 – 3,5 cm
15 Depth of incision	:	lancinate
Color	- Upper side	: 133A-139A
	- Lower side	: 138B
Pubescens	:	absent
Petiole	:	absent
20 Venation	-shape	: pinnate
	-color	: 138A

### The Flower Bud

Peduncle	Length	:	6 -10 cm
25	Strength	:	strong
	Texture:	:	smooth
	Color	:	144A
Size bud	- Diameter	:	4-7 mm
	- Length	:	4-5 mm
30	Shape flower bud	:	flattened, round

Color bud : 163C

**Inflorescence**

	Diameter	: 4,2 – 5,0 cm
5	Form	: Capitula with 2 series of ray florets and 10-15 series of grown disc florets, which give the semi double impression.
	Receptacle height	: 0,5 cm
	Involucre/phyllaries	: 3 series of 5 bracts, tightly to receptacle
	Shape	: elliptic, with broad apex
10	Margin	: entire
	Length	: 2-3 mm
	Color	: upper: 143A Lower: 143A
	Fragrance	: absent
15	Quantity of inflorescences	: ±60-100 flowers/plant depending on age and growing conditions.
	Flowering period	: April till October in N-W Europe, plants flower continuously during this period.

20 **Ray Florets**

	Shape of ray florets	: ligulate
	Apex	: rounded, little incised
	Base	: cordate
	Margin	: entire
25	Color	: 155C
	No. of ray florets per inflor.	: 22-26
	Size of the ray floret - Length	: 1,4 – 1,7 cm
	- Width	: 0,4 – 0,7 cm
	Texture	: smooth

### **Disc Florets**

## **Androecium**

10 Anther color : yellow 15A  
Pollen color : yellow 15A  
Amount of pollen : only in disc florets little pollen

## Gynoecium

## 15 Gynoecium:

Pistil number	:	one per floret (ray florets only)
Pistil length	:	about 2mm
Style color	:	yellow green 144D
Style length	:	about 2mm
20 Stigma color	:	yellow orange 14A
Stigma shape	:	bilobed
Ovary color	:	144C

### **Disease resistance**

25 pathogens has been noted. Material is free of virus and  
Chrysanthemum stunt viroid (CSVd).

## Seed

: seed production is not observed

**Physiological and ecological characteristics:**

Comparison with Sugar Buttons and SG30032 on characteristics in which the new plant differs:

	<b>Sugar Buttons</b>	<b>SG30032</b>	
5	Plant height	19-22 cm	25-28 cm
	Plant habit	compact	upright
	Flower diameter	3,0-3,5	4,2 – 5,0 cm
	Foliage color	137 A - 137B	133A - 139A

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